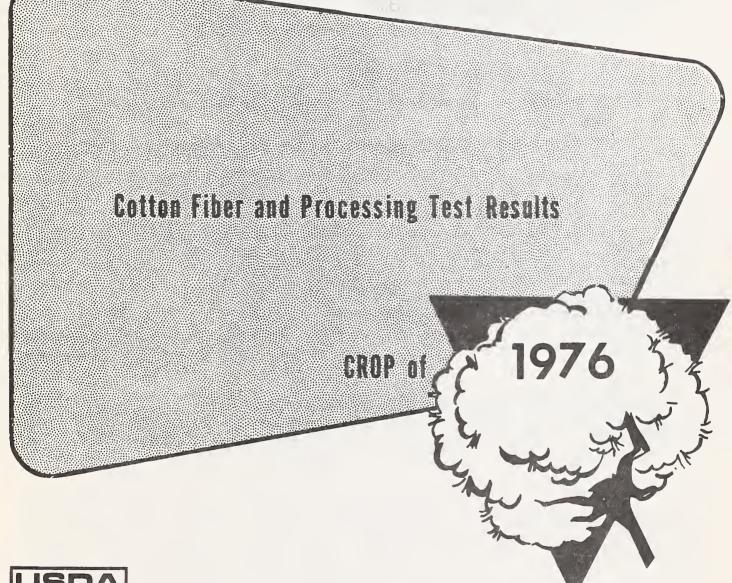
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FEB 7 %77





Agricultural Marketing Service
U.S. DEPARTMENT OF AGRICULTURE
Memphis, Tenn. 38122 December 17, 1976

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season. These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

^{1/} Summary of Cotton Fiber and Processing Test Results, Crop of 1975, USDA, AMS, Cotton Division, May 1976.

COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1976

Discussion of Test Results

Short staple cottons tested through December 10 from the Southwestern area are slightly shorter, coarser and weaker than a year earlier, according to the Cotton Division, Agricultural Marketing Service, USDA. Shirley Analyzer nonlint content is slightly lower, while picker and card waste is higher than a year ago. Yarns spun from these samples are weaker but have fewer imperfections. Spinning potential is lower.

Average test results for all medium staple samples show fibers to be shorter, finer and stronger than a year earlier. Shirley Analyzer nonlint content is lower, while picker and card waste is higher this season. Yarns are slightly stronger and have fewer imperfections. The average spinning potential is slightly lower.

Medium staple samples tested from the Southeast show fibers to be about the same length, more uniform, coarser and stronger. Shirley Analyzer nonlint content is lower, while picker and card waste is higher. Yarns spun from these samples are stronger and have higher appearance grades. Imperfections are fewer and the spinning potential is higher.

Medium staple samples from the South Central states are shorter and less uniform than a year ago. Cottons are finer and stronger at zero gage strength tests. Shirley Analyzer nonlint content is lower, while picker and card waste is higher this year. Yarns spun from these samples are stronger, but have lower appearance grades. Imperfections are fewer. The average spinning potential yarn number is lower.

Southwestern medium staple samples tested to date have slightly more uniform, coarser and weaker fibers at zero gage strength tests. Shirley Analyzer nonlint content is lower, while picker and card waste is higher than a year ago. Yarns are stronger and have higher appearance grades and fewer imperfections. Spinning potential is higher.

Medium staple samples tested from the West have the same fiber length as a year ago. Fibers are finer and weaker at zero gage tests. Shirley Analyzer nonlint content is lower, while picker and card waste is higher. Yarns spun from these samples are weaker and have lower appearance grades. Yarn imperfections are fewer. Spinning potential is down from that of a year ago.

Average test results for all long staple samples show fibers to be longer, more uniform and a little coarser than a year ago. Shirley Analyzer nonlint content is lower. Both picker and card waste and comber waste are lower than a year ago. Yarns spun from these samples are stronger for both carded and combed yarns. Carded appearance grades are lower this year. Both carded and combed yarns show fewer imperfections. Spinning potential yarn number is higher.

Long staple samples from the Southeast are longer, more uniform and coarser than a year ago. Fiber strength is higher. Shirley Analyzer nonlint content is lower. Both picker and card waste and comber waste are lower than a year ago. Yarn strength is higher for both carded and combed yarns. Appearance grades average slightly lower for carded yarns and higher for combed yarns. Imperfections are fewer. Spinning potential yarn number is much higher than a year ago.

Long staple samples from the South Central states have longer, finer and stronger fibers than a year ago. Shirley Analyzer nonlint content is lower. Picker and card waste is lower, while comber waste is higher than a year earlier. Yarns spun from these samples are stronger. Appearance grades are lower. Spinning potential yarn number is lower.

American Pima samples tested through December 10 this season have slightly shorter, finer and stronger fibers than last season. Shirley Analyzer nonlint content is higher. Both picker and card waste and comber waste are lower than a year ago. Yarn quality is about the same as a year ago.

Averages of fiber and processing tests from selected gin points in the United States through December 10, 1976 1/

Table 1.--Cotton:

Fiber test results	Fibrograph Mike Fiber	Crop year tested 2.5% 50/2.5 ness Zero span unif.	Pet. Rdg.	24 0.96 45 4.0 89 23 0.95 45 4.5 85	34 1.07 44 4.2 83 33 1.07 45 4.6 86	South Central 104 1.10 45 4.4 85 1976 102 1.08 44 4.2 88	26 1.07 44 4.0 82 30 1.07 45 4.1 81	52 1.12 45 4.2 93 40 1.12 45 4.1 90	216 1.10 45 4.3 86 205 1.08 45 4.2 87	Significant dif-
	strength	1/8" S A gage nonlint	G/tex Pct.	22 3.3 21 3.2	22 23 3.2 3.2	23 3.1 23 2.7	22 3.4 22 3.3	26 26 2.3	23 3.0 24 2.8	
		P&C waste	Pet.	6.3	6.3	7.09	6.0	N.V.	5.5	u
Processing	Yarn	Skein A	1,	98	97	105	102 104	124	108	(100)
test results	quality	Appear-Imperf- ance actions		112 15	97 26 100 20	102 . 21 99 . 16	92 29 95 22	94 23 90 19	98 23 98 18	c u
s,	Q	Spin. Potent.	Yarn No.	42 35	5 S	- 4 - 65	56	68	60 58	n

Based on a limited number of samples of modal quality Minimum differences considered to be significant for comparisons in this table.

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Averages of fiber and processing tests from selected gin points in the United States through December 10, 1975 1/ (Continued)

Table 1.--Cotton:

		Ĭ2	Fiber Tect	- 1	Reculte	U				D. A.	Processing Test Results	Theet R	الاواران			
Staple group,		Length	th	•	Strength	gth	SA	7%G	Comber		Ya	Yarn Quality	ity		h	
Crop year	Lots	Span	Unif	Mike	Zero 1/8" gage gage	1/8" gage	بد وا	4)		Strength carded combed		Appearance carded combed	ce	Imprfctns	tns	SPY
	No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Pct.	Lbs.	Lbs. I	Indx	Indx Indx	No.	No.	No.
Long Staple: Southeast 1975 1976	13	1.10	423	. t.	85	2 3	9.0 9.0	6.3	18.6	91		107	116	75 13	12 8	54 68
South Central 1975 1976	9 %	1.11	143 142	4.1	88	28	w.w. ∞.4.	9,9 0,8	18.1	104	125	110	120 103	19	9	62 57
West 1975 1976	. 6н	1.15	45 48	ω ω 1. ω	95	27	0.0 0.0	7.5	15.4	139	159	8.8	107	2 7 30	14 12 J	87 103
U.S. Average 1975 1976	28	1.12	44	4.0	88	26 26	w 0.	8.0	17.4	109	132 140	104 10 2	114	23	120	99
			71	Array				American	can Pima	<u>ത</u> ്വ		5018	Combed	Yarn		
Extra Long Staple: West 1975 1976	ωſv	1.47	30	9.5	10 2 103	34		7.6	17.7		63		113		0 0	
Significant Difference 2/		0.02	Q	0.5	N	1	0.5	0.5	0.5	4(22s)	μ(22s) 2(50s)	2	2	N	N	6

Based on a limited number of samples of modal quality Minimum differences considered to be significant for comparisons in this table. নাতা

Table 2 --Cotton, American upland short staple: Quality characteristics by production areas, crop of 1976

1	t		1						- 6	-			
	Spin. Poten-	tial	읽		36	35	11 1/	32	51	35	36	35	
	Imprfect'ns	22sor	읽		10	14	15	14	12	10	11	12	
farns	Impri	8s or 74 tx	읽		22	23	33	59	22	21	11	24	
Carded	rance	22sor 27 tx	잉		110	110	100	120	130	120	110	110	
ults - (Appearance Index	8s or 74 tx	임		130	130	120	130	130	130	130	130	
Processing Test Results - Carded Yarns	ation	22s or 27 tx	Pet		æ •	5.9	6.4	5.3	6.8	5.9	6.2	8 •	
ssing T	Elongation	8s or 74.tx	Pct		ENT 5.8	ENT 7.4	ENT 6.0	ENT 6.3	ENT 7.9	ENT 6.3	ENT 6.9	ENT 6.3	
Proce	gth	22s or 27 tx	Lbs		PERCENT 84 5	PERCENT 84 7.	PERCENT	PERCENT 82 6.	90 PERCENT 102 7.	PERCENT 92 6.	PERCENT 95 6.	PERCENT 80 6.	
	Strength	8s or 74 tx	Tps		100	70 266	90	90 257	90 3 0 9	95 290	90 297	95 265	
	P & C	Waste	Pct		8	6.8	7.6	7.1	5.5	5.5	8 • 0	7.8	
	Color Raw Stock	Yel	SI SI		m	m	4	*	5	~	*	4	
	Raw	Gra	SI		8	2	2	7	m	7	2	m	
	S.A.		Pet		1.8	A5 3.7	2.4	2.9	2.6	2.5	3.6	3.8	
lts	Elon-	1/8"	Pet		LX571 5.4	ASTER 6.4	ER 18 6.4	ER 18 6.1	ER 909 6.3	ER 18 6.6	R 31 6.5	57	
Fiber Test Results	Fiber Strength	1/8" Gage	G/tex		LANKAR T	BLIGHTMASTER 21 6.4	PAYMASTER 19 6.	PAYMASTER 18 21 6.1	PAYMASTER 909 21 6.3	PAYMASTER 18 20 6.6	STRIPPER 22 6	LANKART 21	
Fiber	Stre	Zero	Mpsi		92	87	83	84	83	87	88	87	
	2,5%	WING	Rdg		5.1	4.6	5.2	5.1	3.1	4.6	4.4	5.3	
	Digital brograph	Unif	Pet		9	45	48	47	45	47	48	14	
	Digital Fibrograph		51		0.95	0.95	0.85	0.91	66*0	0.89	06 °0	0.95	
		Stple	32s	AREA	31	31	29	59	31	30	30	30	imits
rea,	er e			AF	41	32	32	425/29	33	32	4.2	45	ole l
Production Area,	Sample Number	No Grade		SOUTPWEST	NORTHWEST TEXAS BURKBURNETT 1 SLM 43	LAMESA 1 MID LT SP	LCCKNEY 1 MID LT SP	LOOP 1 SLM LT SP	LORENZO 1 MID SP	SILVERTON 1 MID LT SP	TULIA 1 SLM LT SP	CKLAHCMA GRANDFIELD I SLM LT SP	1/ Below spinnable limits

1/ Below spinnable limits
2/ Reduced from 32 because of grass

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976

	Spin. Poten- tial	일		29	64	44	58	19	63	53	53	28	09		-	80
	М	21		9	4	4	r	•	•	rc	2	2	9		19	58
	50s 12	위		18	16	18	13	14	22	11	14	14	1.7		13	16
arns	Imprfe 22s or 27 tx	<u>&</u>		24	17	21	15	17	31	12	20	22	20		91	19
rded Y	ance x 50s or 12 tx	<u></u>		80	80	80	70	06	9	06	66	80	70		70	70
ts - Ca	or x	2		100	100	06	100	100	06	110	06	100	06		06	100
t Resul	or x	Pct		5.0	4.1	3.5	4.4	8 • 4	4.1	3.9	4.1	4.3	4.5		4.1	4.4
Processing Test Results - Carded Yarns	Elonga or 22s or 27 tx	Pct		99 PERCENT 107 36 6.4	100 PERCENT 96 29 5.9	100 PERCENT 92 26 5.2	80 PERCENT 110 35 6.3	73 PERCENT 114 39 5.9	100 PERCENT 114 40 5.9	100 PERCENT 102 31 5.5	100 PERCENT	100 PERCENT 110 36 5.5	100 PERCENT 109 35 5.9		100 PERCENI	100 PERCENT 109 35 5.J
	A 3	Pct		6.9	7.1	6 • 3	5.6	5.7	7.6	7.6	6.1	9.9	5.9		5.6	0.9
	Color Raw Stock Gra Yel	읾		4	4	4	2	4	ю	4	8	m	2		2	2
	Co Raw Gra	읾		9	7	ю	1	æ	2	3	7	m	m		-	2
	S.A. Non- Lint	Pct		3.9	3 3°3	3 9 9	1.8	2.5	5 · t	2.7	2.5	3 • 3	2.9		3 . 3	3 2.7
lts	Elon- gat'n 1/8"	Pet		21	11LE 213	9	I NE 16 7.3	KING 11 6.5	612	201	612	417	201		I NE 16 7.3	11LE 21 6.0
est Results	ber ngth 1/8" Gage	1		STONE VI LLE 22 7.	STONEVILLE 21 6.9	STCNEVILLE 22 5.6	DELTAPINE 23 7	DIXIE +	MCNAIR 24	COKER 22	MCNAIR 24	COKER 2	COKER 23		DELTAPINE 16 24 7.3	STONEVILLE 23 6.0
Fiber T	Fit Strer Zero Gage	Mpsi		48	81	89	84	83	8	86	86	06	84		86	81
	Mike	Rdg		4.1	4.4	4.3	4.5	4.1	4 . 4	4.6	4 8	4 • 3	4.4		3.9	4.3
	al graph Unif.	Pet		45	45	44	44	45	24	47	45	4	94		43	45
	Digital Fibrograph 2.5% Unitable	티		1.05	1.04	1.02	1.10	1.08	1.10	1.03	1.07	1.05	1.13		1.14	1.11
	Stple	32s	AREA	34	33	33	34	34	35	34	34	34	35	AREA	35	35
Area,	lber le		A	43	42	LE 42	41	43	A 42	45	41	45	33		41	41
Production Area, Classification	Sample Number Grade No Grade Name & Code		SOLTHEAST	ALABAMA BELLE MINA 3 SLM SP	HAZEL GREEN 3 SLM LT SP	PERIDIANVILLE 2 SLM LT SP 4	NCRTHPORT 2 SLM	SCOTTSBORD 2 SLM SP	NORTH CAROLINA LAURINBURG 3 SLM LT SP	SHELBY 2 SLM LT SP	SOUTH CAROLINA BLACKVILLE 2 SLM	CHESTER 2 SLW LT SP	MAYESVILLE 3 MID SP	SOUTH CENTRAL	ARKANSAS ALTHEIMER 3 SLM	CUMAS 3 SLM

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976--(Continued)

1 1		1												
	Spin. Poten- tial	외	52	53	59	52	53	59	57	63	53	99	65	09
	Imprfectins	일	10	18	15	17	11	11	10	111	16	15	23	16
ırns	Imprfe 22s or 27 tx		17	23	19	22 14	14	14	14	18 19	19	19	27	18
Carded Yarns	× or	1	80	70	06	60	06	80	80	80	70	70	70	09
	Appearance Index 22s or 50s	1	100	06	100	80	110	110	100	110	100	06	80	06
st Resu	r o	1	4	4.2	4.3	4.3	4.4	6.4	4.2	4.8	3.7	4.4	4.1	9.4
Processing Test Results	Elong: 22s or 27 tx	Pet	PERCENT 35 5.9	PERCENT 33 5.7	P ERC ENT 36 5.9	PERC ENT 33 5. d 32 6.3	PERCENT 34 5.9	PERCENT 36 6.5	PERCENT 36 5.7	PERCENT 39 6.7 37 6.4	PERCENT	PERCENT 38 6.3	P ERC ENT 38 6.6	P ERC ENT 37 6.1
Pro	Strength 22s or 50s or 27 ty ho ty	1	0	33 PE	.00 PE	0		8		100 PER 5 39 1 37	00 PE	30 PE	00 PE 38	00 PE
			110	100	100	104 104 102	100	1(2)	100	115	100	911	113	100
	P & C Waste	Pet	50	6.5	6.3	6.3	7.6	4.9	0.9	4-9	8 • 0	4.9	9.9	6.3
	Color w Stock a Yel	욁	2	2	2	6 2	2	7	-	2	-	2	2	-
	Co. Raw Gra	일	2	2	1		-	1	2	1 2	7	1	2	-
	S.A. Non- Lint	Pet	3 2.9	2°	3 2.5	3 1.7 2.1	3.5	1.8	2.4	3.0	1N 4.0	1.8	4.5	2.9
1ts	Elon- gat'n 1/8"	Pet	TONEVILLE 21 23 6.1	1 LLE 213	21	111E 21 6.8 6.8	I NE 16	INE 61 7.0	INE 55	INE 16 7.5 7.3	1LLE 731N 5.4 4.	INE 16	1 NE 16	I NE 16 7.0
Fiber Test Results	Fiber Strength ero 1/8"	G/tex	STONEV 23	STCNEVILLE 23 6.3	STONEVILLE 23 5.9	STONEVILLE 23 6.0 23 6.0	DELTAPINE 23 7.	DELTAPINE 24	DELTAPINE 23 5.	DELTAPINE 24 7	STONEVILLE 21 5.4	DELTAPINE 23 7	DELTAPINE 24 7	DEL TAPINE 24 7.6
iber T	Fi Stre Zero	Mpsi	89	84	88	87	86	86	46	84 85	06	85	83	81
	Mike	Rdg	4.2	4.2	4 • 4	3.8	4.1	4. 8	4.1	3.9	4.4	3.9	3.6	3 .8
	raph Unif.	Pet	45	45	44	43	44	94	44	44	46	43	45	45
	Digital Fibrograph 2.5% Uni	In In	1.07	1.03	1.09	1.07	1.05	1.08	1.10	1.14	1.07	1.11	11.11	1.11
	Stple	32s Contir	35		34	34	34	35	35	35	35	35	34	35
rea, ion		A(C	nued)	41	41	41	41	41	41	41 51	51	41	51	× 14
Production Area, Classification	Sample Number No Grade	SOUTH CENTRAL AREA(Continued)	ARKANSAS(Continued) HUGHES	LEACHVILLE 3 SLM	MCGEHEE 3 SLM	PRCCTOR 2 SLM 3 SLM	WYNN 3 SLM	LOUISIANA PCRRCE 2 SLM	MISSISSIPPI ARCOLA 3 SLM	BELZONI 2 SLM 3 LM	GLENDORA 3 LM	GREENVILLE 3 SLM	HOLLANDALE 3 LM	PANTHER BURN

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976--(Continued)

1	1		1													
	Spin.	Poten- tial	No.	44	56	43	58	53	55		44	53	61		47	55
	ct'ns	50s or	No No	11	11	17	14	12	18		12	42	29		15	12
Yarns	Imprfect'ns	22s or 5	No No	15	16	22	21	50	25		16	58	41		17	14
Carded Yar		50s or 2	1	06	90	70	60	7.0	7.0		80	9	9		70	80
1	Appearance Index	22s or 50	3 0	110	90	90	06	100	80		06	70	70		06	100
t Results	ion	50s or 2	ابداد	3 • 5	4.0	3.9	4.6	3.7	4 • 4		4.7	9.4	4.3		3.5	4.5
Processing Test	1 Elongation	22s or	Pet	PERCENT 29 5.3	PERCENT 32 5.5	PERCENT 29 6.1	PERCENT 35 6.3	PERCENT 32 5.4	PERCENT 31 6.3		PERCENT 31 5.3	PERCENT*	PERCENT*		PERCENT 27 5.5	PERCENT 34 6.4
Pro	Strength	22s or 50s or	설비	100	100 1	90 86	100 1	100 1	100 1		86	100 1	100		1001	93
	P & C	Waste	Pet	6.9	. 6 • 1	7.1	7.2	9.1	6.9		1.9	8 . 8	7.8		5.7	5.63/
	Color Raw Stock	Yel	N N	2	2	2	4	m	2		4	'n	4		m	2
	Co] Raw S	Gra	ଥା	2	3	-	m	9	m ;		2	м	2		2	0
	S.A.	Non- Lint	Pct	3 2 4	3	3.2	3 2.9	5.3	4.7		2.1	5.1	4.3		2.0	1.8
ts	Elon-	gat'n 1/8"	Pct	71 LLE 21	11LE 21	DELTAPINE 16 23 7.1	7 LLE 21 6.1	STONEVILLE 21 22 5.8	M 6.5		7.4	312	5110		INE 61 6.2	7.3
st Results	er gth	1/8" Gage	G/tex	STONEVILLE 23 5.9	STONEVILLE 25 5.7	DELTAP 23	STONEVILLE 23 6.	STONEV 22	AUBURN 22		GSA71 22	COKER 24	CCKER 23		DEL TAP INE 23 6.	DELTAPINE 22 7
Fiber Test	Fiber Strength	Zero	Mpsi	06	89	83	86	83	81		4	85	85		86	80
Eq.		Mike	Rdg	4.1	5.0	3.8	3.7	3.4	3.6		0.4	3.4	3.5		4.9	4.8
	1 raph	Unif.	Pet	14	14	43	42	43	43		14	45	77		44	45
	Digital Fibrograph	2.5% span	ned)	1.01	1.05	1.00	1.06	1.02	1.05		16.0	1.12	1.08		1.68	31 36 1.14 45 4.8 8
		Stple	<u>32s</u> Jontin	33 33	34	33	34	34	34	AREA	32	35	34	AREA	35	36
rea,	er		A(C	tinue	51	۲ 41	45	52	51	Ā	A S 421/	522/	421/	Ø	41	31
Production Area, Classification	& Sample Number	No Grade Name & Code	SOUTH CENTRAL AREA(Continued)	MISSISSIPPI(Continued) SUNFLOWER 2 SLM 41 3	TRIBBETT 2 LM	WATER VALLEY 3 SLM	MISSOURI BELL CITY 3 SLM LT SP	CATRON 2 LM LT SP	SENATH 3 LM	SOLTHWEST	NORTHWEST TEXAS HALE CENTER 1 SLM LT SP 4	LLBBCCK 1 LM LT SP	LUBBOCK 1 SLM LT SP	WE ST	ARIZCNA BLCKEYE 2 SLM	CASA GRANDE

* 100% selected for tests, less than 100% in area 1/ Reduced from 32 because of bark 2/ Reduced from 42 because of bark 3/ Cotton stuck to processing rolls

Table 3 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1976--(Continued)

	Spin.	-u	0.1	2	æ	2	en.	2	2	0	ō.	_	~			_	
	-	roten- tial	N N	45	53	72	73	82	72	80	61	81	67	82	74	78	
	Imprfect'ns	50s or 12 tx	ଥ	16	16	14	6	16	14	=======================================	16	16	12	17	19	12	
rns	Imprf	22s or 27 tx	N N	20	22	13	13	16	20	14	23	18	18	22	25	11	
Carded Yarns	nce	50s or 12 tx		9	09	06	80	9	80	80	10	80	7.0	0.2	09	70	
	Appearance Index	or tx		06	80	06	100	06	90	100	80	90	06	90	80	90	
Processing Test Results		50s or 22s 12 tx 27		3.0	4.2	4.4	9.4	5.0	4.6	4.1	4.6	5.0	4.4	5.2	4.0	4.7	
g Test	Elongation	or x	ועו	1	~	c	c		~	•	2	ın	~ I		7	_	
cessir		50s or 22s 12 tx 27 t		PERCENT	PERCENT 32 5.5	PERCENT 44 6.	PERCENT	P ERC ENT 47 6-3	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT 45 6. 43 6.	PERCENT	
Pro	Strength	or X		100 P 79 2	2	100 P 131 4	92 P	100 P 135 4	86	96 P	100 P 132 4	85	6	100 P	0	133 4	
		22s 27		7	100	13	135	13	127	133	13	134	120	13	10 130 125		
	2 % T	Waste	Pet	0.9	. 8	5.4	6 • 3	9.9	6.2	5.2	5.2	5.9	4.4	5.9	5.1	5.41	
	Color Raw Stock	Yel	읽	e	æ	8	2	2	2	8	2	7	7	m	6 2	m	
			읽	7		-	0	-	-	-	0	-	-	-		-	
	S.A.	Non- Lint	Et l	6 2.6	2.5	2.2	2.3	2.0	2.4	2.5	1.9	1.9	2.1	2.0	1.8	2.3	
ts	Elon-	gat'n 1/8"	Pet	LLE 256 5.2	NE 61 7.1	5.5	J-4 5.8	J-2 6.4	5-8	J-2 6.0	J-2 6.0	J-2 6.0	J-2 5.8	\$ 1- 4	5.6 5.6 6.1	5 J-4 5.7	
t Results	${f r}$	1/8" Gage	G/tex	STONEVILLE 21 5.2	SEL TAPI NE 23 7.	CALA 27	CALA S	CALA S	CALA S	ACALA S 26	ACALA S	ACALA S	ACALA S	CALA S	1CALA S 28 26	ACALA S	
Fiber Test	Fiber Strength	Zero Gage	Mpsi	87	B3	V 96	1 16	7 26	63	68	92	95	16	96	66	, 16	
F		Mike	Rdg	4°.5	4.5	0.4	4.3	3.2	4.2	0.4	3.9	4.1	3.8	3.8	3.8	3.7	
	al raph	Unif.	Pet	43	4	94	94	43	47	14	45	4.7	43	94	47	\$	وراه
	Digital Fibrograph	1	디	1.13	1.11	1.11	1.10	1.13	1.15	1.17	1.13	1.13	1.13	1.13	1.12	1.09	3
		Stple	328		35	36	36	35	36	36	35	36	35	36	35	36	
rea,	er		inued	ned)	41	40	41	41	40	41	40	41	31	41	1 .1.	41	+
Production Area, Classification	& Sample Number	Grade Name & Code	1(Cont	IZONA(Continue MGHAVE VALLEY SLM 4		NIA HERS PLUS	CHOWCHILLA SLM	NGA	IREBAUGH SLM PLUS	PCINTS	URGN SLM PLUS	z	HILLS	HILLS	S.	S E	office as to occount of to the worth
Prod Cla	Sem.	No	WEST AREA (Continued)	ARIZONA(Continued) MGHAVE VALLEY 1 SLM 41	RCLL 2 SLM	CALIFORNIA CARUTHERS 2 SLM PLUS	CHOWC 2 SLM	COAL INGA 2 SLM	FIREBAUGH 2 SLM PLUS	FIVE 2 SLM	HURCN 2 SLM	KERMAN 2 SLM	LOST 2 MID	LCST 2 SLM	SHAFTER 1 SLM 2 SLM	TULARE 2 SLM	٠٠/ ١

1/ Cotton stuck to processing rolls

Table 4 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1976

	Spin. Poten-	N		26		56		103
	t'ns Osor 12 tx	일		13		18		22
rns	Imprfectins 22s or 50s or 27 tx 12 tx	요		15		27		30
Processing Test Results - Carded Yarns	nce Ir	1		90		80		06
lts - Ca	Appearance Index 22s or 50s c 27 tx 12 tx	8		100		90		90
st Resu	ttion 50s or 12 tx	Pet		4.2		3.8		77 10 10 10 10
ssing Te	P & C and and Comber 22s or 50s or Waste Elongation and Index Index Comber 22s or 50s or 50s or 50s or 60s or	Pet		PERCENT 36 5.5 46 6.4		PERCENT 33 5.3 47 6.3		PERCENT 53 6.1 63 7.1
Proce	50s or	Lbs		0 PER 36 46		0 PER 33		96 PER 53
	Strength 22s or 50s 12	엽		100 P 112 3 131 4		100 P 104 3 134 4		9 147 162
]Fct		7.1		7.3		6.4
	Color Raw Stock Gra Yel	일		m *		۸*		٧*
	Col Raw Gra	욁		m		7		-
	S.A. Non- Lint	Pet		3.7		4.1		2.9
ts	Elon- gat'n 1/8"]st		310		3 10 5.6		ACALA 1517-V 26 6.3
Fiber Test Results	er gth 1/8"	Gage G/tex		COKER 310 23 6.		COKER 310 24 5		ACALA 26
iber Te	Fiber Strength Zero 1/8	Mpsi		8		92		89
	Mike	Rdg		4.5		3.7		
	sal saph Unif.	Pet		45		43		4
	Digital Fibrograph 2.5% Un	span In		1.14		1.12		1.20
	Stole	32s	AREA	35	AREA	35	AREA	37
Area,		7		45		RANT 41		0,4
Production Area,	Classification & Sample Number Grade	Name & Code	SOUTHEAST	GEORGIA MADISON 2 SLM LT SP	SOUTH CENTRAL	MISSISSIPPI LAKE CORMORANT 3 SLM 41	WEST	NEW MEXICO TULAROSA 1 SLM PLUS
	,							

* Comber Waste and Combed Yarn Data

Table 5 -- Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1976

	sct ns	80s or 7 tx	외			0
	Imprfect'ns	50s or 12 tx	욁		-	~
rns	rance	Waste Waste 50s or 80s or 50s or 80s or 50s or 50s or 80s or 12 tx 7 tx 12 tx 7 tx 12 tx 7 tx	욌		110	120
Processing Test Results - Combed Yarns	Appearance Index	50s or 12 tx	읽		5.2 4.6 110	4.8 120
lts - &	ation	80s or 7 tx	퇇		4.6	
st Resu	Elongation	50s or 12 tx	뒒		5.2	5.8
sing Te	Strength	80s or 7 tx	Ibs		NT 35	NT 35
Proces		50s or 12 tx	इव्य		100 PERCENT	94 PERCENT 2 64
	Color Raw Stock P & C Comber	Waste	닯		100 PERCENT 16.4 64 35	94 PERCENT 6 6.8 16.2 64 35
	94 C	Waste	됣		8.	8
	or tock	Yel	욁		70	vo
	Color Raw Sto	Gra Yel	욁			
	Elon- S.A.	gat'n Non- 1/8" Lint	Pet		2.5 4	2.4 4
ts	Elon-	gat'n 1/8"	Pet		7.1	7.5
esul		1/8" Gage	G/tex		IMA S-5	MA S-5
est F	Fiber Strength	17 28	75		PIMA 34	P I MA 33
Fiber Test Results	Fi	Zero Gage	Mpsi		106	100
		Mike	Rdg		3.6	3.4
	Array ength	CA	Ret		33	31
	Array Length	TOOL	티		1.48	1.44
a, n		Stple	328	AREA	d.	
Are	mber	ode			4	44
tion	e Mu	Grade Name & Code			4	0 0
Production Area, Classification	& Sample Number	No Name		WE S.T	AR I ZONA MENDEN	NEW MEXICO COLUMBUS 1